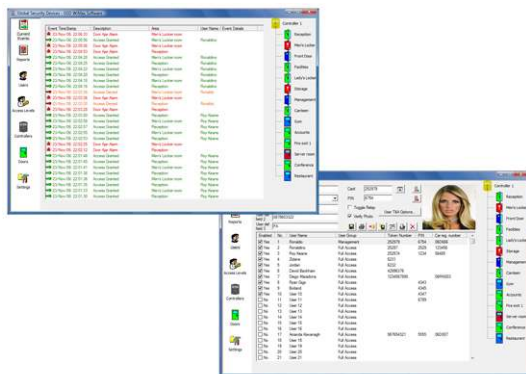


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Technical Specs

Power Supply	12 - 24V AC or DC
Current consumption	100mA
Current consumption with load (max)	130mA
Relay Contact Rating	5 Amps /240V ac
Operating Temperature	- 20°C to +60°C
Moisture Resistance	IP 67
Dimensions - Flush Mount	W. 87mm D. 21mm H. 119mm
- Surface Mount	W. 87mm D. 35mm H. 119mm
Number of Users	1000

Factory Default PIN codes

The following PIN codes are the Factory Default Settings:

- The Default Engineer code is '6666'
- User PIN '1111'

Note: The User PIN '1111' is deactivated when the first User PIN is added to the keypad.

Restoring Factory Settings

Code	Description
55	Restore Factory Default Settings

Example:



Note: If Engineer code is lost, Remove the Security Caps (see page 11) and hold down the X key during power-up and enter the default Engineer code '6666' immediately. This will restore the factory settings.

Adding and Removing PIN's

Code	Description
01	Add a Standard User/Toggle User/Manager User PIN
03	Remove any User PIN

Example: To Add User PIN '5656'



Example: To Remove User PIN '4545'



Example: To Add Toggle User PIN '1234'



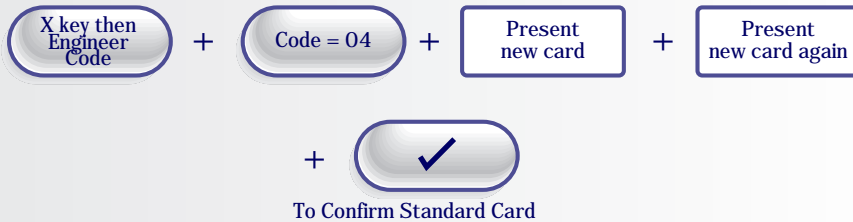
Example: To Add Manager User PIN '5678'



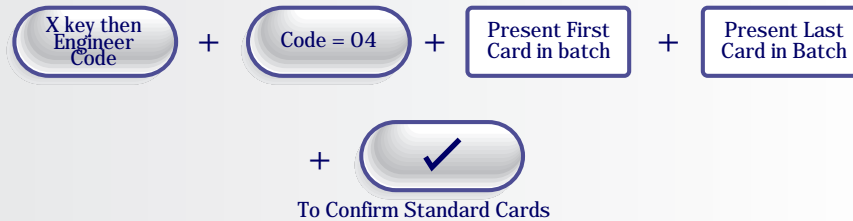
Adding a Batch of Cards or Fobs

Code	Description
04	Add Batch of Standard Cards/Toggle Cards/Manager Cards

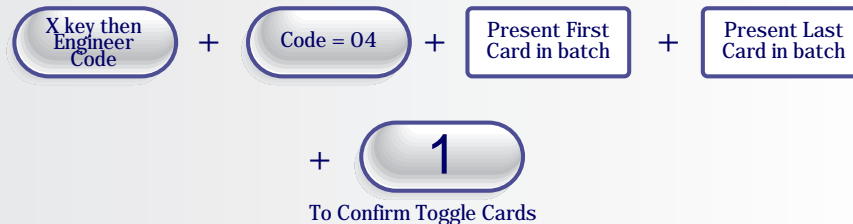
Example: To Add a Single Standard Card...



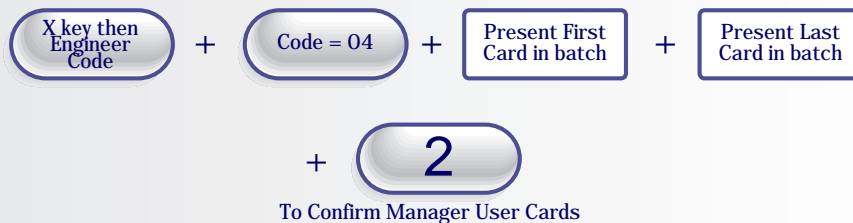
Example: To Add a Batch of Standard Cards...



Example: To Add a Batch of Toggle Cards...



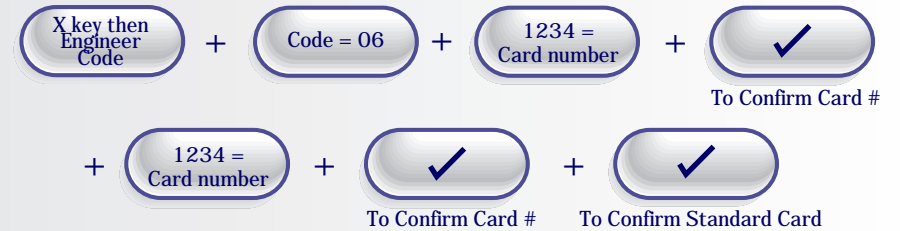
Example: To Add a Batch of Manager User Cards...



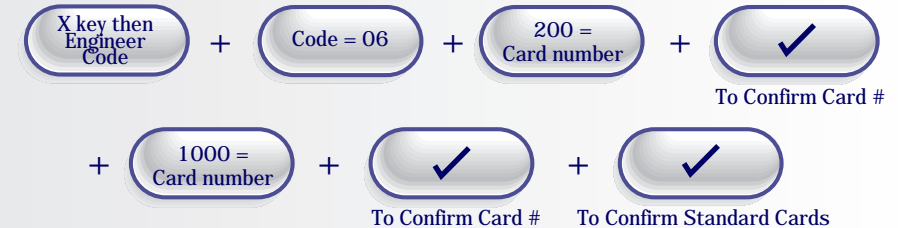
Adding User Cards or Fobs using Keypad

Code	Description
06	Add Batch of Cards using Keypad

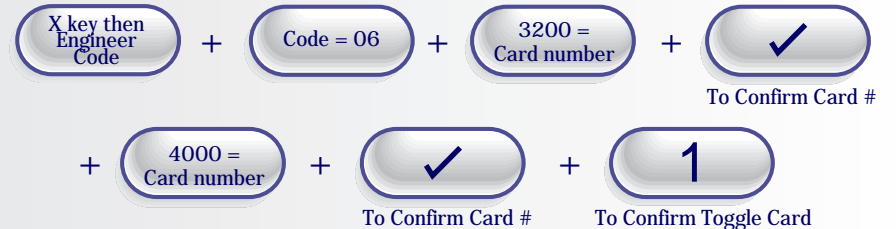
Example: To Add a Single Standard Card... (Card number = 00001234)



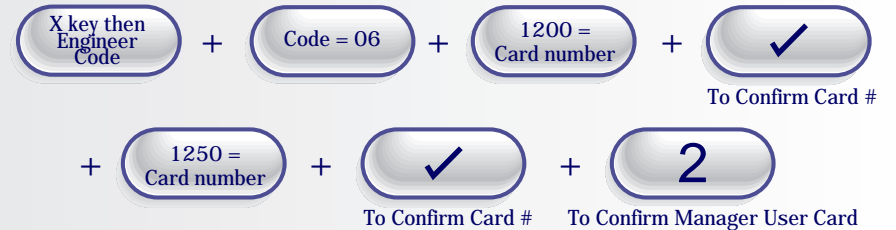
Example: To Add a Batch of Standard Cards... (Batch = 0000200 to 0001000)



Example: To Add a Batch of Toggle Cards... (Batch = 0003200 to 0004000)



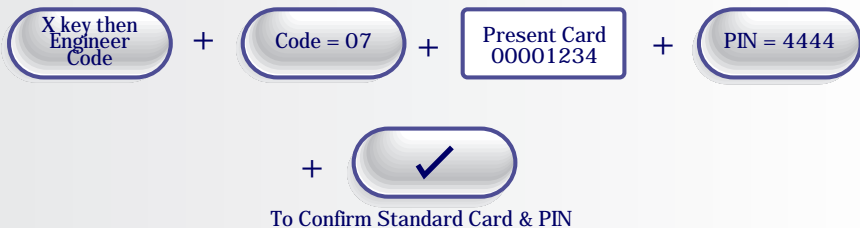
Example: To Add a Batch of Manager User Cards... (Batch = 001200 to 001250)



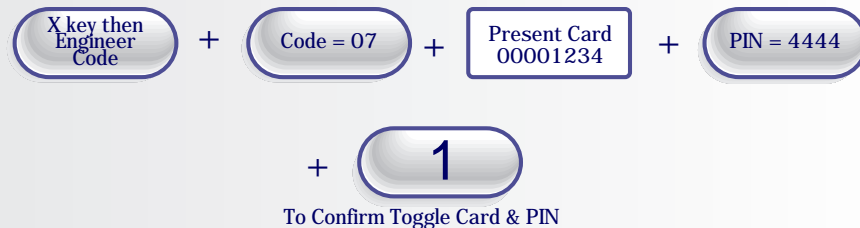
Adding a Card and PIN

Code	Description
07	Add a Card and a User PIN

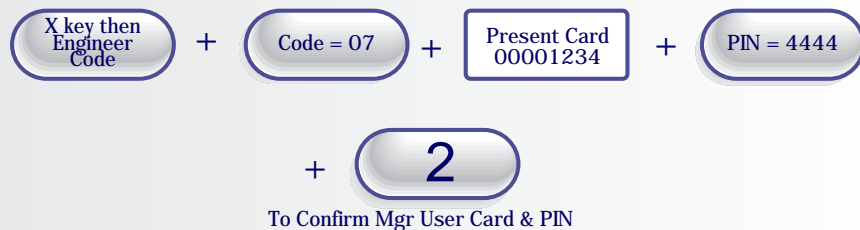
Example: To Add a Card & PIN... (Card number = 00001234, PIN = 4444)



Example: To Add a Toggle Card & PIN... (Card number = 00001234, PIN = 4444)



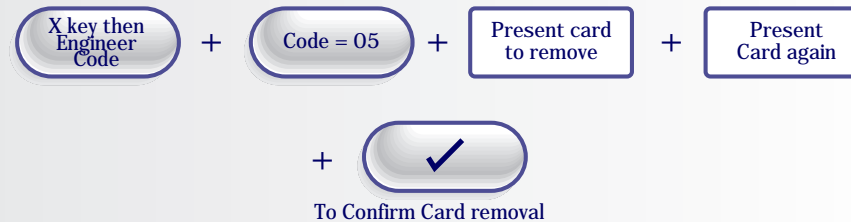
Example: To Add a Mgr User Card & PIN... (Card number = 00001234, PIN = 4444)



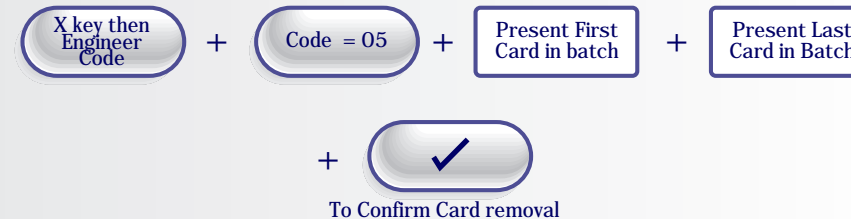
Removing a Batch of Cards or Fobs

Code	Description
05	Removing a Batch of Cards

Example: To remove a Single Card...



Example: To Remove a Batch of Cards...



Removing a Card and PIN

Code	Description
08	Removing a Card (and any associated PIN)
09	Removing a Card (and any associated PIN) using Keypad

Example: To Remove a Card...



Example: To Remove a Card using Keypad... (Card number = 00001234)

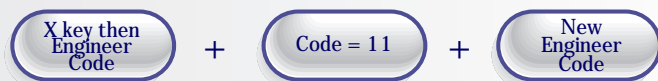


Changing Relay Times and Engineer Codes

Code	Description	Default Settings
10	Change the Number of PIN Digits	4 digit PIN (4,5,6 only)
11	Change the Engineer Code	6666
12	Change the Relay Active Time	5 seconds (0-255)
13	Change the Door Ajar Time	30 seconds (2-255)
14	Change the Guest Buzzer Time	3 seconds (1-10)

Note: The Number of PIN digits can not be reduced once a User Pin has been added.

Example: To Change the Engineer Code..



Example: To Change the Relay Active Time to 14 seconds..



Example: To Change the Relay Active Time to a 200msec pulse..



Changing Input/Output Options

Code	Description
30	Change the Input and Output Options

Example:



Table 1

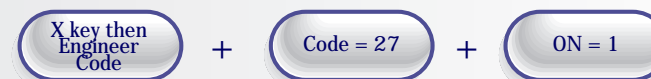
Option	Input 1	Input 2	Output 1	Wiring Diagrams
0 Default	Door 1 Exit Button	Door 1 Contact	Alarm/Buzzer	Page 12
1	Door 1 Exit Button	Door 1 Contact	Follow Relay 1	Page 12
2	Door 1 Exit Button	Fire Alarm Override	Alarm/Buzzer	Page 13
3	Door 1 Contact	Interlock I/P	Interlock O/P	Page 14
4	Door 1 Exit Button	Alarm Panel I/P	Alarm Panel O/P	Page 15

Turning Features ON or OFF

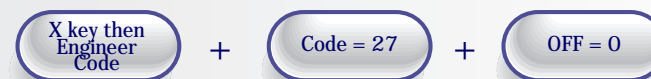
Code	Description	Default Settings
20	Set Silent Operation on/off	Off
21	Set Ajar Alarm on/off	On
22	Set Guest Button on/off	On
23	Set Duress codes on/off	Off
24	Set Toggle Relay on/off	On
25	Set Door Forced Alarm on/off	On
26	Set Anti-Tail Gate on/off	Off
27	Set Constant Backlight on/off	On
28	Set Invalid PIN Lockout on/off	On (3 Retries)
31	Set Card Or PIN on/off	On
32	Set Card And PIN on/off	Off
33	Set Card And Any PIN on/off	Off

Note: 0 = Off 1 = On

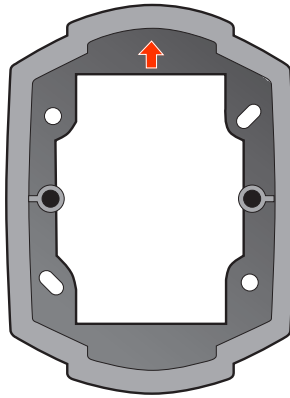
Example: To Set the Backlight to always stay ON...



Example: To Set the Backlight to stay ON for 10 seconds only after a key press...

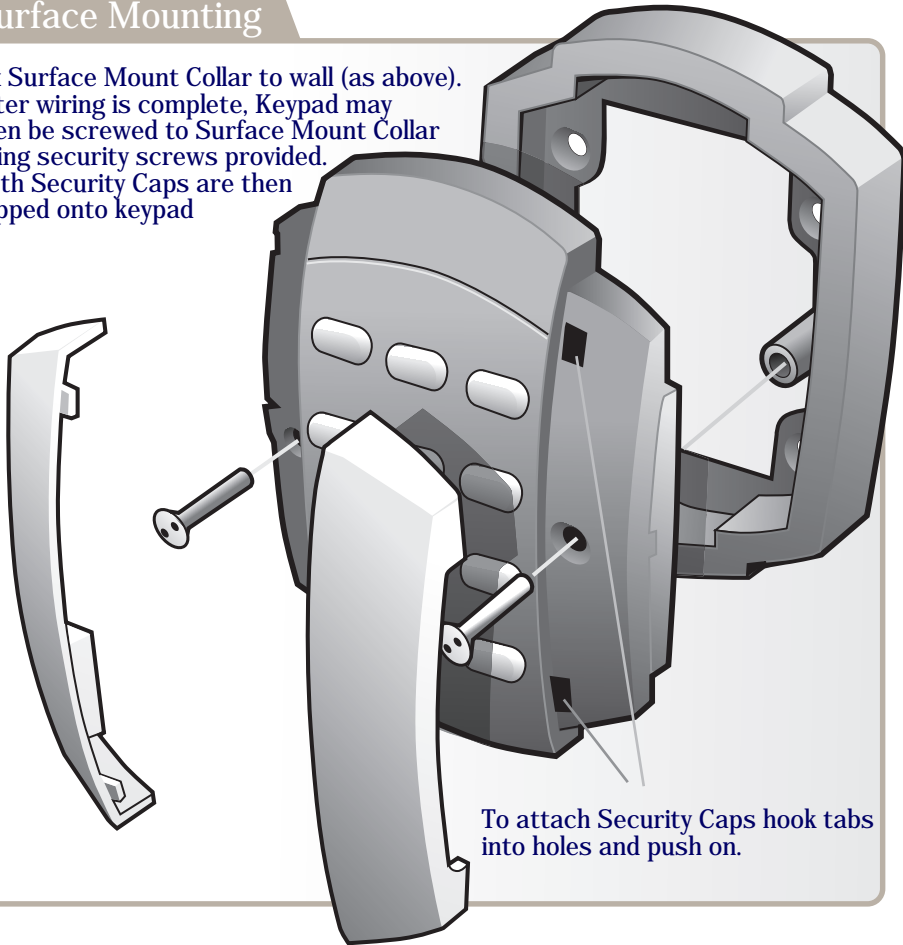


Fix Surface Mount Collar to wall, ensure arrow is pointing upwards



Surface Mounting

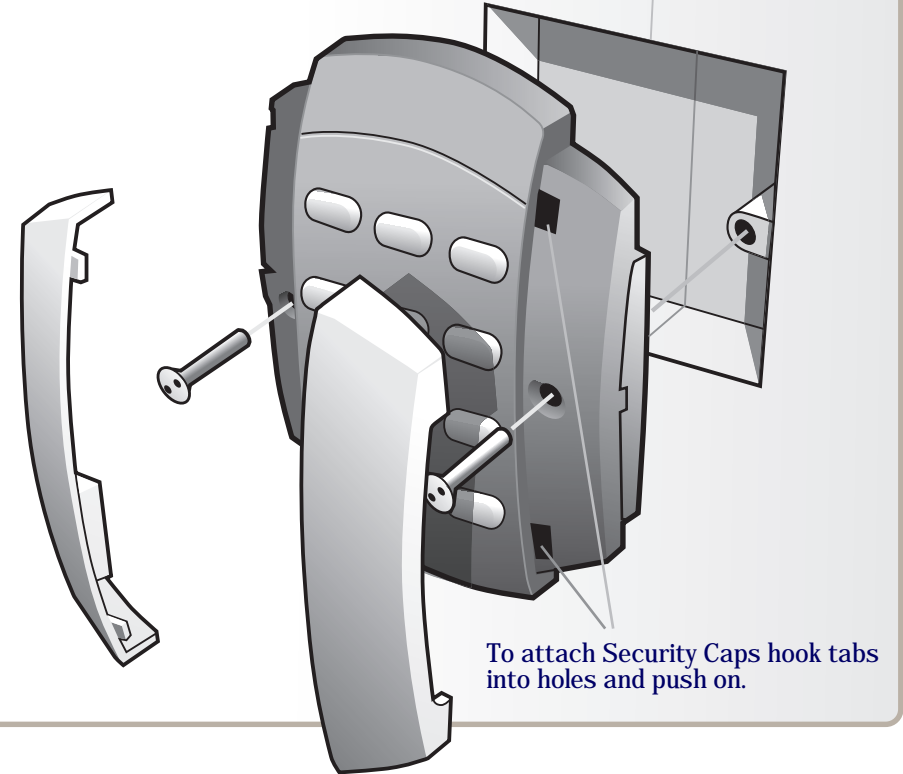
Fix Surface Mount Collar to wall (as above). After wiring is complete, Keypad may then be screwed to Surface Mount Collar using security screws provided. Both Security Caps are then clipped onto keypad.



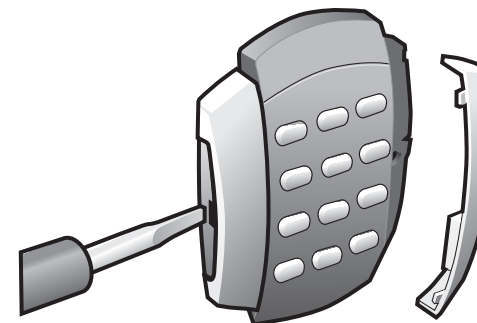
To attach Security Caps hook tabs into holes and push on.

Flush Mounting

Keypad is mounted to pattress box using security screws provided. Both Security Caps are then clipped onto Keypad.

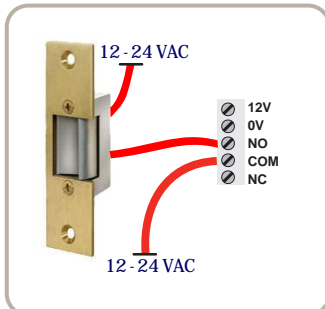
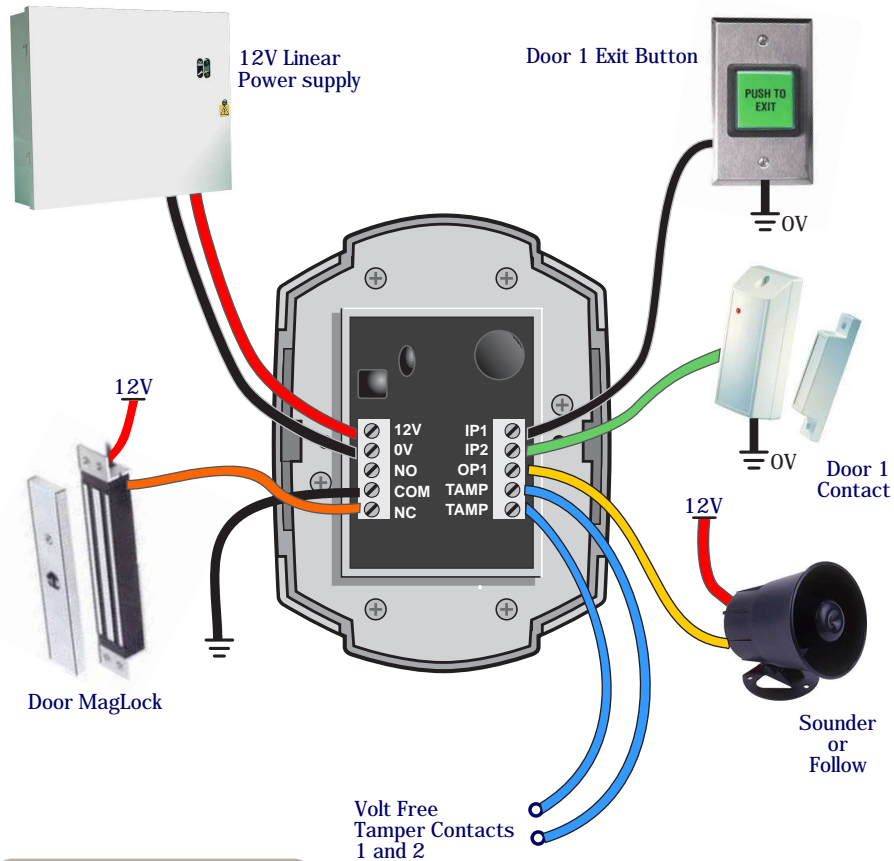


To attach Security Caps hook tabs into holes and push on.



To release Security Caps push a screwdriver into slots on the side and pull forward.

Wiring Diagrams for Door 1

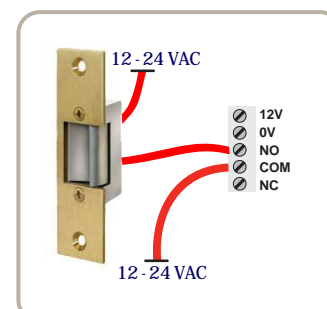
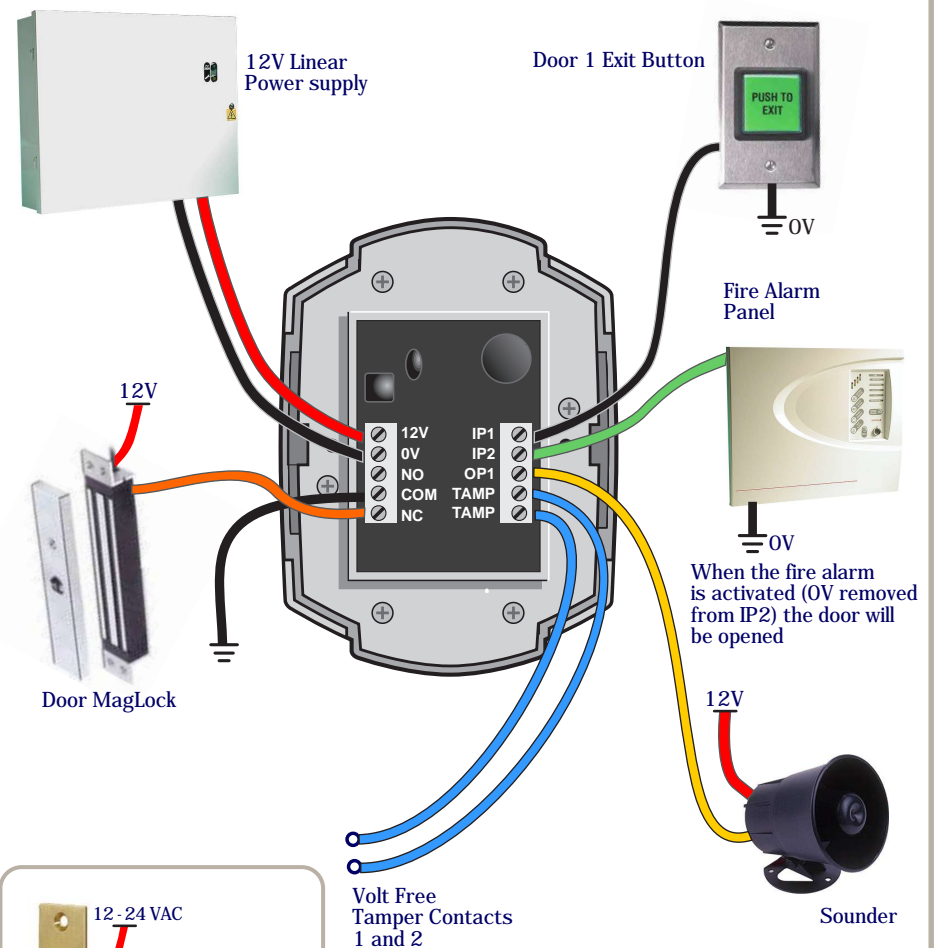


Wiring for StikeLock only using 12 - 24VAC supply



Note: All 0V shown in the diagram are connected to 0V at the back of the keypad terminal block.

Wiring Diagrams for Door 1 and Fire Alarm Override



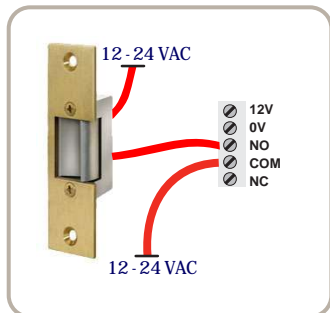
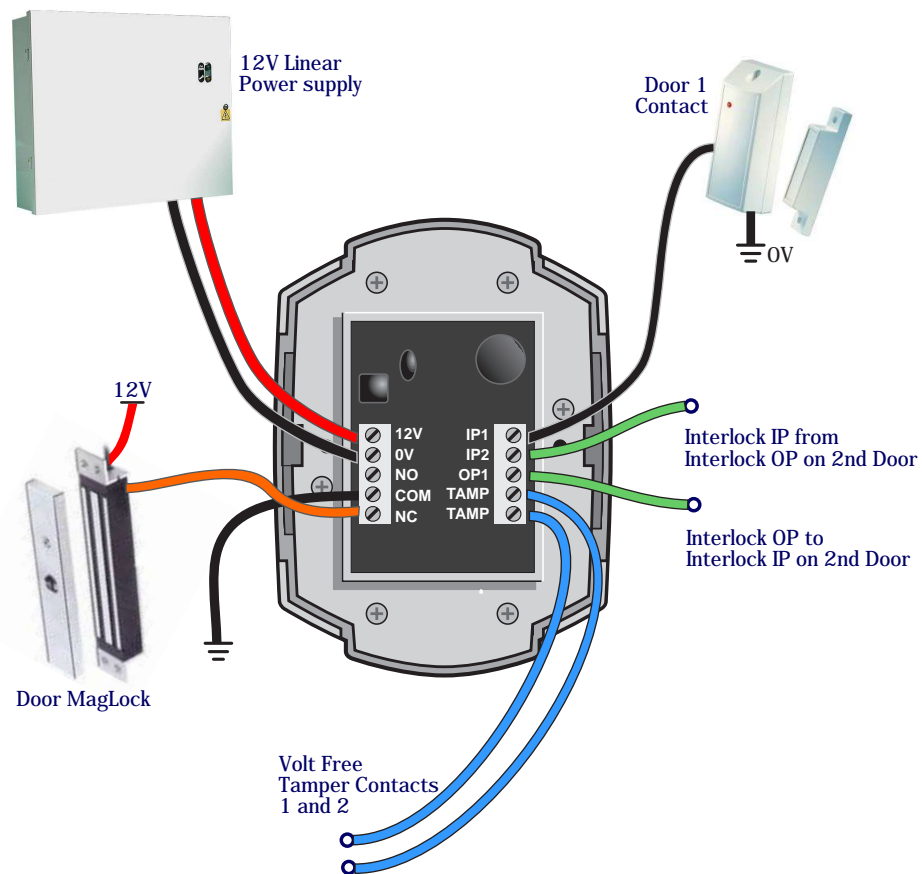
Wiring for StikeLock only using 12 - 24VAC supply



Common 0V from the Fire Alarm Panel and the 0V from the Keypad to avoid any ground loop issues.

Note: All 0V shown in the diagram are connected to 0V at the back of the keypad terminal block.

Wiring Diagrams for Door 1 and Interlock connections

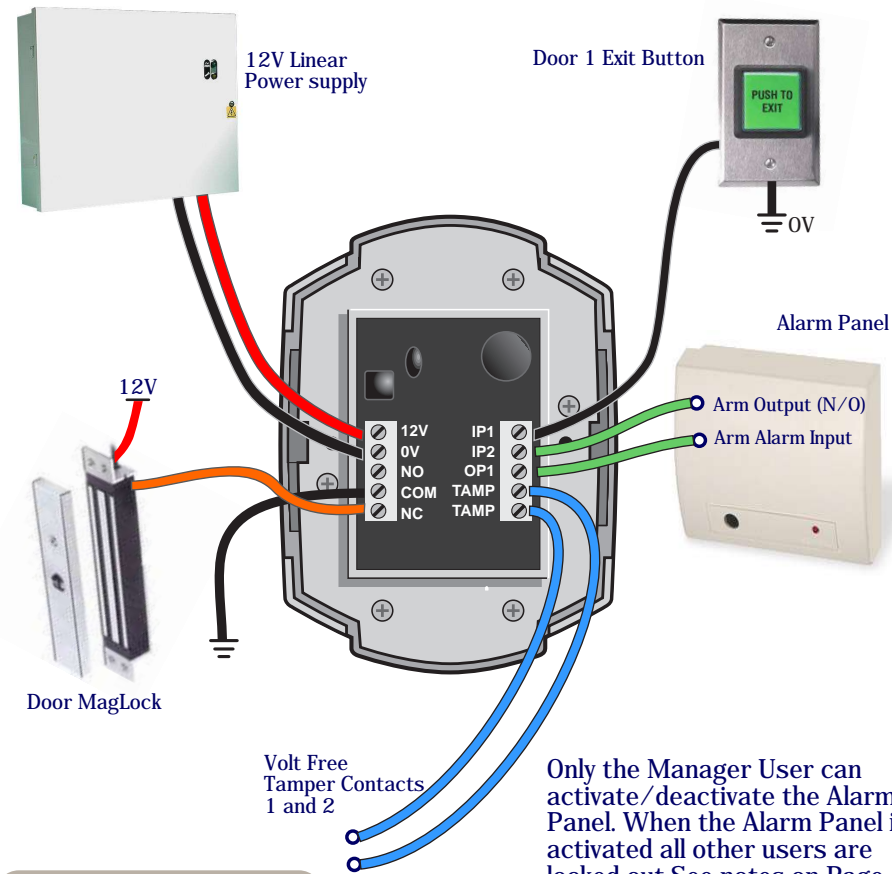


Wiring for StikeLock only using 12 - 24VAC supply

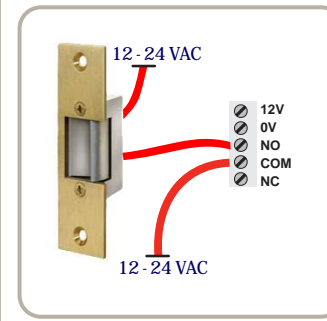


Note: All 0V shown in the diagram are connected to 0V at the back of the keypad terminal block.

Wiring Diagrams for Door 1 and Alarm Panel connections



Only the Manager User can activate/deactivate the Alarm Panel. When the Alarm Panel is activated all other users are locked out. See notes on Page 16 for explanation of feature.



Wiring for StikeLock only using 12 - 24VAC supply



Common 0V from the Intruder Alarm Panel and the 0V from the Keypad to avoid any ground loop issues.

Notes:

Invalid PIN Lockout – Entering an invalid PIN 3 times will lockout the keypad for 15 seconds. All lights will flash during this time. Turning this feature off reduces the security of the keypad.

Number of PIN Digits – The number of digits each User PIN will contain.(4 or 5 or 6). The number of digits can not be reduced after a User PIN has been added. If the number of PIN digits is increased then add leading Zeros to existing PIN's. E.G. if increasing PIN digits from 4 to 5 then existing PIN code '1234' changes to '01234'

Relay Active Time – This is the amount of time the relay will remain active. Entering 0 for the relay active time will generate a 200millisecond pulse .

Ajar Alarm – This alarm will activate if the door is open longer than the Door Ajar Time.

Door Forced Alarm – This alarm will activate if the door contact is forced open.

Anti-Tail Gate – If this option is set, the door relay time is shortened to 2 seconds.

Guest Button - If this option is set, then the tick key can be used to sound the buzzer.

Silent Operation - If this option is set, then all audible tones are silenced.

Duress codes - If this option is set, the door will open but the alarm will be activated if the duress PIN code is entered. (duress PIN code is the code above the user PIN code e.g. user code=8888 then duress code=8889).

Toggle Relay - If this option is set, then the door will remain open or closed on each PIN entry for a Toggle User.

Manager User – If the Alarm Panel option is setup using the IO options then only the Manager User will be granted access if the alarm is set.

The Manager User is the only user that can activate or deactivate the Alarm Panel.The RED light Flashes to indicate the Alarm Panel is set.

The Manager User must press the 'tick key' and enter a PIN code to activate the Alarm Panel or present a Manager User card twice.

To deactivate the Alarm Panel the Manager user enters a PIN code.If the Alarm is deactivated then the Manager User operates as a standard user.

Card Or Pin mode - allows both valid Cards or PIN codes to gain access.

Card And PIN mode - Only Users with a valid Card and an Associated PIN code gain access.

Card And Any PIN mode - Users with a valid Card and any valid PIN code gain access. This mode allows a group PIN to be used with valid Cards.

Quick Reference - Menu Codes

Code	Description	Default Settings
01	Add a User PIN to Door 1	1 1 1 1
03	Remove a User PIN	
04	Add Batch Standard/Toggle/Mgr.User card	
05	Remove batch of cards	
06	Add Batch of Cards using Keypad	
07	Add a Card and a User PIN	
08	Remove Card and associated PIN	
09	Remove Card and associated PIN with Keypad	
10	Change the Number of PIN Digits	4 digit PIN (4,5,6 only)
11	Change the Engineer Code	6666
12	Change the Relay Active Time	5 seconds (0-255)
13	Change the Door Ajar Time	30 seconds (2-255)
14	Change the Guest Buzzer Time	3 seconds (1-10)
20	Set Silent Operation on/off	Off
21	Set Ajar Alarm on/off	On
22	Set Guest Button on/off	On
23	Set Duress codes on/off	Off
24	Set Toggle Relay on/off	On
25	Set Door Forced Alarm on/off	On
26	Set Anti-Tail Gate on/off	Off
27	Set Constant Backlight on/off	On
28	Set Invalid PIN Lockout on/off	On (3 Retries)
30	Change the Input and Output Options	0
31	Set Card Or PIN on/off	On
32	Set Card And PIN on/off	Off
33	Set Card And Any PIN on/off	Off
55	Restore Factory Default Settings	

User NO.	User Name	Card Number	PIN
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
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